

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Mohammed N. Islam, et al.
Filing Date: August 20, 2003
Title: MICROMECHANICAL OPTICAL SWITCH

MAIL STOP PATENT APPLICATION
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

INFORMATION DISCLOSURE STATEMENT

Applicants respectfully request, pursuant to 37 C.F.R. §§1.56, 1.97, and 1.98, that the documents listed on the attached PTO-1449 form be considered and cited in the examination of the above-identified application. Furthermore, pursuant to 37 C.F.R. §§1.97(g) and (h), Applicants make no representation that these documents qualify as prior art or that these documents are material to patentability of the present application or that a search has been made.

The present Information Disclosure Statement is being filed in a divisional application of U.S. Serial No. 10/227,055, filed August 22, 2002. Each document listed on the attached PTO Form 1449 was cited by or submitted to the U.S. Patent and Trademark Office in the prior application as properly identified above. Therefore, pursuant to 37 C.F.R. § 1.98(d), a copy of each listed document need not be provided with the present Information Disclosure Statement.

No fee is believed due, pursuant to 37 C.F.R. § 1.97; however, the Commissioner is hereby authorized to charge any fees or credit any overpayment to Deposit Account No. 02-384 of Baker Botts L.L.P.

Respectfully submitted,

Baker Botts L.L.P.

A handwritten signature in black ink, appearing to read 'K. Meek', is written over the printed name of Kevin J. Meek.

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Reg. No. 33,738

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Date: August 20, 2003

PTO-1449 Information Disclosure Citation in an Application	Application No.	Applicant(s) Mohammed N. Islam et al.	
	Docket Number 074036.0124	Group Art Unit	Filing Date August 20, 2003

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		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	A	4,011,009	03/08/77	Lama, et al.	350	162 R	05/27/75
	B	4,900,119	02/13/90	Hill, et al.	350	96.15	04/01/88
	C	5,103,340	04/07/1992	Dono et al.	385	46	08/07/1991
	D	5,212,743	05/18/93	Heismann	385	11	02/12/92
	E	5,291,502	03/01/1994	Pezeshki et al.	372	20	09/04/1992
	F	5,311,360	05/10/94	Bloom, et al.	359	572	04/28/92
	G	5,343,542	08/30/1994	Kash et al.	385	31	04/22/1993
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	I	5,500,761	03/19/96	Goossen, et al.	359	290	01/27/94
	J	5,654,819	08/05/97	Goossen, et al.	359	291	01/07/95
	K	5,659,418	08/19/97	Yurke	359	290	02/05/96
	L	5,661,592	08/26/97	Bornstein, et al.	359	291	01/07/95
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	N	5,745,271	04/28/98	Ford, et al.	359	130	07/31/96

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							YES	NO
	O	0 667 548 A1	16.08.1995	EP	G02B	26/02	X	
	P	0 689 078 A1	27.12.1995	EP	G02B	26/08	X	

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	Q	K. E. Petersen, "Micromechanical Light Modulator Array Fabricated On Silicon," Applied Physics Letters, Vol. 31, No. 8, pp. 521-523	10/15/77
	R	C. Marxer, et al., "Megahertz Opto-Mechanical Modulator," Elsevier Science S.A., pp. 46-50	1996
	S	C. M. Ragdale, et al., "Integrated Three Channel Laser and Optical Multiplexer for Narrowband Wavelength Division Multiplexing," Electronics Letters, Vol. 30, No. 11, pp. 897-898	05/26/94
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	U	C. M. Ragdale, et al., "Integrated Laser and Add-Drop Optical Multiplexer for Narrowband Wavelength Division Multiplexing," Electronic Letters, Vol. 28, No.89, pp. 712-714	04/09/92
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EXAMINER

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		074036.0124				August 20, 2003		
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	B	5,774,252	06/30/1998	Lin et al.	359	224	04/19/1996	
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	D	5,835,255	11/10/98	Miles	359	291	05/05/94	
	E	5,841,579	11/24/98	Bloom, et al.	359	572	06/07/95	
	F	5,850,492	12/15/98	Morasca, et al.	385	11	11/06/96	
	G	5,870,221	02/09/99	Goossen	359	290	07/25/97	
	H	5,909,303	06/01/1999	Trezza et al.	359	248	01/03/1997	
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	J	5,920,391	07/06/1999	Grasdepot et al.	356	352	04/22/1998	
	K	5,943,155	08/24/99	Goossen	359	247	08/12/98	
	L	5,943,158	08/24/99	Ford, et al.	359	295	05/05/98	
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	O	0 788 005 A2	06.08.1997	EP	G02B	26/02	YES	NO
	P	99/34484	08.07.1999	WO	H01S		X	
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	U	J.W. Bayless, et al., "The Specification and Design of Bandlimited Digital Radio Systems," IEEE Transactions on Communications, Vol. COM-27 (12): pp. 1763-1770						
	V	D.E. Sene, et al., "Polysilicon Micromechanical Gratings for Optical Modulation," Elsevier Vol. Sensors and Actuators (A 57), pp. 145-151						
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	A	5,949,801	09/07/1999	Tayebati	372	20	07/22/1998
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	C	5,974,207	10/26/99	Aksyuk, et al.	385	24	12/23/97
	D	5,986,796	11/16/99	Miles	359	260	11/05/96
	E	5,999,319	12/07/1999	Castracane	359	573	04/29/1998
	F	6,002,513	12/14/99	Goossen, et al.	359	291	06/22/98
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	H	6,041,071	03/21/2000	Tayebati	372	64	09/27/1996
	I	6,123,985	09/26/2000	Robinson et al.	427	162	10/28/1998
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	O	01/67157 A2	13.09.2001	WO	G02B	26/00	X	
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	S	D.M. Burns, et al., "Micro-Electro-Mechanical Variable Blaze Gratings," IEEE 10th Annual International Workshop on Micro Mechanical Systems, pp. 385-391	1997
	T	L.Y. Lin, et al., "Micromachined polarization-state controller and its application to polarization-mode dispersion compensation," OFC 2000, Baltimore, MD, pp. ThQ3-1, 244-246	2000
	U	J.W. Bayless, et al., "High Density Digital Data Transmission," National Telecommunications Conference, Dallas, TX, pp. 1-6	1976
	V	R.W. Corrigan, et al., "17.3: Calibration of a Scanned Linear Grating Light Value Projection System," www.siliconlight.com	1999

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	A	6,341,039 B1	01/22/2002	Flanders et al.	359	578	08/25/2000
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	F	WO 01/37021 A1	14.11.2000	PCT	G02B	6/42	X
	G	WO 01/79795 A1	22.03.2001	PCT	G01J	3/28	X
	H	WO 02/056521 A1	02.11.2001	PCT	H04J	14/00	X
	I	WO 02/059655 A2	20.12.2001	PCT	G02B		X
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	M	R.W. Corrigan, et al., "Grating Light Valve Technology for Projection Displays," Presented at the International Display Workshop, Kobe, Japan					1998
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	P	SLM "The Scanned Grating Light Valve Display Architecture," www.siliconlight.com					1999
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	R	C. Pu, et al., "Micromachined Integrated Optical Polarization-State Rotator," IEEE Photonics Technology Letters, Vol. 12 (10), pp. 1358-1360					10/2000
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	T	J.E. Ford, et al., "Fiber-Coupled Variable Attenuator Using a MARS Modulator," SPIE, Vol. 3226, pp. 86-96					1997
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	B	WO 01/37021 A1	14.11.2000	PCT	G02B	6/42	YES X NO
	C	WO 01/79795 A1	22.03.2001	PCT	G01J	3/28	YES X NO
	D	WO 02/056521 A1	02.11.2001	PCT	H04J	14/00	YES X NO
	E	WO 02/059655 A2	20.12.2001	PCT	G02B		YES X NO
NON-PATENT DOCUMENTS							
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	F	D.M. Burns, et al., "Development of Micromechanical Variable Blaze Gratings," Elsevier Science S.A., vol. Sensors and Actuators, pp. 7-15					1998
	G	C.K. Madsen, et al., "A Tunable Dispersion Compensating MEMS All-Pass Filter," IEEE Photonics Technology Letters, Vol. 12 (6), pp. 651-653					2000
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	N	E.P. Furlani, et al., "Analysis of grating light valves with partial surface electrodes," American Institute of Physics, Vol. 83 (2), pp. 629-634					1998
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	P	K. Aratani, et al., "Surface micromachined tuneable interferometer array," Sensors and Actuators, Vol. 43, pp. 17-23					1994
	Q	R.T. Howe, et al., "Polycrystalline Silicon Micromechanical Beams," Journal Electrochemical Society," Vol. 130 (6), pp. 1420-1423					1983
	R	S.R. Mallinson, "Wavelength-selective filters for single-mode fiber WDM systems using Fabry-Perot interferometers," Applied Optics, Vol. 26 (3), pp. 430-436					1987
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	A						
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	B	WO 02/06860 A1	11.07.2001	PCT	G02B	5/18	X
	C	WO 02/10822 A1	31.07.2001	PCT	G02B	6/34	X
	D	WO 02/21191 A1	07.09.2001	PCT	G02B	27/10	X
	E	WO 02/50588 A1	20.12.2001	PCT	G02B	6/26	X
	F						
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	E	L.Y. Lin, et al., "Micromachined Polarization-state-controller and its Application to Polarization-mode Dispersion-compensation," OFC 2000, Baltimore, MD, pp. ThQ3-1, 144-246					2000
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	P	Wu et al., "Widely and Continuously Tunable Micromachined Resonant Cavity Detector with Wavelength Tracking," IEEE Photonics Technology Letters, Vol. 8, No. 1, pp. 98-99					1991
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	C						YES NO
NON-PATENT DOCUMENTS							
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	D	Vail et al., "High performance micromechanical tunable vertical cavity surface emitting lasers," Electronics Letters, Vol. 32, No. 20, 2 pages					09/26/1996
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	P	"ELASTIC-45 tunable interferometer component," Solus, Preliminary Datasheet and applications					Undated
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MAIL STOP PATENT APPLICATION
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

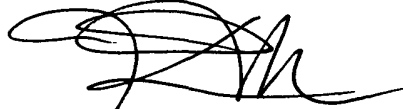
Dear Sir:

INFORMATION DISCLOSURE STATEMENT

Applicants respectfully request, pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, that the references listed on the attached PTO-1449 form be considered and cited in the examination of the above-identified patent application. No representation is made that a search has been made, that these references are material to the patentability of the present application, or that these references qualify as prior art.

Since the present Application is filing after June 30, 2003, a copy of any U.S. Patent and any U.S. Patent Application Publication cited on the attached PTO Form 1449 is not being submitted with this Information Disclosure Statement pursuant to the July 11, 2003 waiver of 37 C.F.R. § 1.98(a)(2)(i) by the U.S. Patent and Trademark Office.

Respectfully submitted,
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Information Disclosure Citation in an Application		Docket Number		Group Art Unit		Filing Date	
		074036.0124				August 20, 2003	
U.S. PATENT DOCUMENTS							
		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
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	B	6,407,851 B1	06/18/2002	Islam et al.	359	291	08/01/2000
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	H						
	I						
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FOREIGN PATENT DOCUMENTS							
		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
	O						YES NO
	P						
	Q						
NON-PATENT DOCUMENTS							
		DOCUMENT (Including Author, Title, Source, and Pertinent Pages)					DATE
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